

In the Claims

The following Listing of Claims replaces all prior versions in the application:

LISTING OF CLAIMS

1. (Currently amended) A method of tracking a wireless device in a wireless network, the network having a plurality of gateways and each gateway coupled to at least one access point, the wireless device associated with a first access point, the method comprising:

associating the first access point and a second access point together when the first access point and the second access point have overlapping coverage areas, said associating including establishing a topology map based on traffic patterns in the wireless network; and

upon establishment of a communication session between the wireless device and the first access point, transferring information associated with the wireless device to the second access point, said transferred information including session parameters relating to communication sessions between the wireless device and the wireless network such that disruption of communication between the wireless device and the wireless network during a turnover of communication with the wireless device from the first access point to the second access point is minimized.

2. (Currently amended) A method of tracking a wireless device in a wireless network, the network having a plurality of gateways and each gateway coupled to at least one access point, the wireless device associated with a first access point, the method comprising:

associating the first access point and a gateway coupled to the second access point together when the first access point and the second access point have overlapping coverage areas,

said associating including establishing a topology map based on traffic patterns in the wireless network;

upon establishment of a communication session between the wireless device and the first access point, transferring information associated with the wireless device to the second access point, said transferred information including session parameters relating to communication sessions between the wireless device and the wireless network such that disruption of communication between the wireless device and the wireless network during a turnover of communication with the wireless device from the first access point to the second access point is minimized.